WHAT IS CLAIMED IS:

1. A heat-transport device comprising:

a plurality of composite components, each comprising a wick that generates capillary action to reflux working fluid and a line in which a liquid- or vapor-phase working fluid flows, the plurality of composite components being bonded, the surface of at least one of the wick and the line being subjected to coating treatment for preventing gas generation.

2. A heat-transport device according to Claim 1, wherein the surface of at least one of the wick and the line is subjected to surface treatment by nitriding, oxidation, or carbonization.

3. A heat-transport device according to Claim 1, wherein the pluralities of composite components are bonded by anodic bonding.

4. A heat-transport device according to Claim 1, wherein the pluralities of composite components are bonded with a thermoplastic bonding sheet by thermal fusing.

5. A heat-transport device according to Claim 1, wherein silicon and the glass constituting the pluralities

of composite components are bonded to each other.

6. A method for manufacturing a heat-transport device that includes a plurality of composite components, each comprising a wick that generates capillary action to reflux working fluid and a line in which a liquid- or vapor-phase working fluid flows, the plurality of composite components being bonded, the method comprising:

subjecting the surface of at least one of the wick and the line to coating treatment for preventing gas generation.

7. A method for manufacturing a heat-transport device according to claim 6, wherein the surface of at least one of the wick and the line is subjected to surface treatment by nitriding, oxidation, or carbonization.

8. A method for manufacturing a heat-transport device according to claim 6, wherein the pluralities of composite components are bonded by anodic bonding.

9. A method for manufacturing a heat-transport device according to claim 6, wherein the pluralities of composite components are bonded with a thermoplastic bonding sheet by thermal fusing.

10. An electronic device comprising a heat source having a heat-transport mechanism that includes a plurality of composite components, each comprising a wick that generates capillary action to reflux working fluid and a line in which a liquid- or vapor-phase working fluid flows, the plurality of composite components being bonded,

wherein the surface of at least one of the wick and the line is subjected to coating treatment for preventing gas generation.